

Certification for Design of Composite Liner and Leachate Collection and Removal System

Federal CCR Rule: 40 CFR §257.70

CCR Unit: Santee Cooper Cross Generating Station Class Three Landfill (CCR Landfill)

Certification:

I, **Fletcher M. Wood**, a qualified professional engineer registered in the state of **South Carolina**, am the design engineer-of-record for the above-referenced CCR Unit – the design of which is documented in the Cross Generating Station Class Three Landfill Permit Application approved by the South Carolina Department of Health and Environmental Control (DHEC) on March 27, 2013 [Permit #LF3-00007]. In my professional opinion, I find and certify that the design of the composite liner (including alternative composite liner) and the leachate collection and removal system for the Santee Cooper Cross Generating Station Class Three Landfill meets the design criteria requirements of 40 CFR §257.70. This certification applies to the design of the two allowable options for the composite liner: (i) the standard composite liner that complies with 40 CFR §257.70(b); and (ii) an alternative composite liner that complies with 40 CFR §257.70(c) including having a liquid flow rate through the lower component of the alternative composite liner no greater than the liquid flow rate through two feet of compacted soil with a hydraulic conductivity of 1×10^{-7} cm/sec when calculated using Equation 1 of §257.70(c)(2).



Digitally signed by Fletcher Wood
DN: cn=Fletcher Wood, c=US, o=Worley, email=fletcher.wood@worley.com
Reason: I am signing my seal
Date: 2023.05.12 13:33:03 -05'00'

Seal and Signature: _____

Firm Seal

Printed Name: _____ Fletcher Wood

PE License Number: _____ 24767

State: _____ South Carolina